

RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10/564,744A

Source: IFwo

Date Processed by STIC: 10/27/06

ENTERED



IFWO

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/564,744A

DATE: 10/27/2006

TIME: 12:09:31

Input Set : A:\Sequence Listing Ascii.txt
 Output Set: N:\CRF4\10272006\J564744A.raw

3 <110> APPLICANT: The Massachusetts General Hospital Corporation
 4 Gardella, Thomas J.
 6 <120> TITLE OF INVENTION: Conformationally Constrained Parathyroid Hormone (PTH)
Analogs
 8 <130> FILE REFERENCE: 0609.516PC01
 C--> 10 <140> CURRENT APPLICATION NUMBER: US/10/564,744A
 C--> 11 <141> CURRENT FILING DATE: 2006-01-17
 13 <150> PRIOR APPLICATION NUMBER: US 60/487,589
 14 <151> PRIOR FILING DATE: 2003-07-17
 16 <160> NUMBER OF SEQ ID NOS: 32
 18 <170> SOFTWARE: PatentIn version 3.2
 20 <210> SEQ ID NO: 1
 21 <211> LENGTH: 14
 22 <212> TYPE: PRT
 23 <213> ORGANISM: Artificial sequence
 25 <220> FEATURE:
 26 <223> OTHER INFORMATION: PTH Peptide
 29 <220> FEATURE:
 30 <221> NAME/KEY: misc_feature
 31 <222> LOCATION: (1)..(1)
 32 <223> OTHER INFORMATION: X is an Alpha-Helix Stabilizing Residue
 34 <220> FEATURE:
 35 <221> NAME/KEY: misc_feature
 36 <222> LOCATION: (2)..(2)
 37 <223> OTHER INFORMATION: X is Trp, Bpa, Arg or Val
 39 <220> FEATURE:
 40 <221> NAME/KEY: misc_feature
 41 <222> LOCATION: (3)..(3)
 42 <223> OTHER INFORMATION: X is an Alpha-Helix Stabilizing Residue
 44 <220> FEATURE:
 45 <221> NAME/KEY: misc_feature
 46 <222> LOCATION: (8)..(8)
 47 <223> OTHER INFORMATION: X is Met or Nle
 49 <220> FEATURE:
 50 <221> NAME/KEY: misc_feature
 51 <222> LOCATION: (10)..(10)
 52 <223> OTHER INFORMATION: X is Gln, Deg or Asn
 54 <220> FEATURE:
 55 <221> NAME/KEY: misc_feature
 56 <222> LOCATION: (11)..(11)
 57 <223> OTHER INFORMATION: X is Har or Leu
 59 <220> FEATURE:
 60 <221> NAME/KEY: misc_feature
 61 <222> LOCATION: (12)..(12)

sel P. 6

RAW SEQUENCE LISTING

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Input Set : A:\Sequence Listing Ascii.txt
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62 <223> OTHER INFORMATION: X is an Alpha-Helix Stabilizing Residue, Ala or Gly
64 <220> FEATURE:
65 <221> NAME/KEY: misc_feature
66 <222> LOCATION: (14)..(14)
67 <223> OTHER INFORMATION: X is an Alpha-Helix Stabilizing Residue, Trp, Tyr or His
69 <400> SEQUENCE: 1

W--> 71 Xaa Xaa Xaa Glu Ile Gln Leu Xaa His Xaa Xaa Xaa Lys Xaa

72 1 5 10

75 <210> SEQ ID NO: 2

76 <211> LENGTH: 13

77 <212> TYPE: PRT

78 <213> ORGANISM: Artificial sequence

80 <220> FEATURE:

81 <223> OTHER INFORMATION: PTH Peptide

84 <220> FEATURE:

85 <221> NAME/KEY: misc_feature

86 <222> LOCATION: (1)..(1)

87 <223> OTHER INFORMATION: X is an Alpha-Helix Stabilizing Residue

89 <220> FEATURE:

90 <221> NAME/KEY: misc_feature

91 <222> LOCATION: (2)..(2)

92 <223> OTHER INFORMATION: X is Trp, Bpa, Arg or Val

94 <220> FEATURE:

95 <221> NAME/KEY: misc_feature

96 <222> LOCATION: (3)..(3)

97 <223> OTHER INFORMATION: X is an Alpha-Helix Stabilizing Residue

99 <220> FEATURE:

100 <221> NAME/KEY: misc_feature

101 <222> LOCATION: (8)..(8)

102 <223> OTHER INFORMATION: X is Met or Nle

104 <220> FEATURE:

105 <221> NAME/KEY: misc_feature

106 <222> LOCATION: (10)..(10)

107 <223> OTHER INFORMATION: X is Gln, Deg or Asn

109 <220> FEATURE:

110 <221> NAME/KEY: misc_feature

111 <222> LOCATION: (11)..(11)

112 <223> OTHER INFORMATION: X is Har or Leu

114 <220> FEATURE:

115 <221> NAME/KEY: misc_feature

116 <222> LOCATION: (12)..(12)

117 <223> OTHER INFORMATION: X is an Alpha-Helix Stabilizing Residue, Ala or Gly

119 <400> SEQUENCE: 2

W--> 121 Xaa Xaa Xaa Glu Ile Gln Leu Xaa His Xaa Xaa Xaa Lys

122 1 5 10

125 <210> SEQ ID NO: 3

126 <211> LENGTH: 12

127 <212> TYPE: PRT

128 <213> ORGANISM: Artificial sequence

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PATENT APPLICATION: US/10/564,744A

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Input Set : A:\Sequence Listing Ascii.txt
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130 <220> FEATURE:
131 <223> OTHER INFORMATION: PTH Peptide
134 <220> FEATURE:
135 <221> NAME/KEY: misc_feature
136 <222> LOCATION: (1)..(1)
137 <223> OTHER INFORMATION: X is an Alpha-Helix Stabilizing Residue
139 <220> FEATURE:
140 <221> NAME/KEY: misc_feature
141 <222> LOCATION: (2)..(2)
142 <223> OTHER INFORMATION: X is Trp, Bpa, Arg or Val
144 <220> FEATURE:
145 <221> NAME/KEY: misc_feature
146 <222> LOCATION: (3)..(3)
147 <223> OTHER INFORMATION: X is an Alpha-Helix Stabilizing Residue
149 <220> FEATURE:
150 <221> NAME/KEY: misc_feature
151 <222> LOCATION: (8)..(8)
152 <223> OTHER INFORMATION: X is Met or Nle
154 <220> FEATURE:
155 <221> NAME/KEY: misc_feature
156 <222> LOCATION: (10)..(10)
157 <223> OTHER INFORMATION: X is Gln, Deg or Asn
159 <220> FEATURE:
160 <221> NAME/KEY: misc_feature
161 <222> LOCATION: (11)..(11)
162 <223> OTHER INFORMATION: X is Har or Leu
164 <220> FEATURE:
165 <221> NAME/KEY: misc_feature
166 <222> LOCATION: (12)..(12)
167 <223> OTHER INFORMATION: X is an Alpha-Helix Stabilizing Residue, Ala or Gly
169 <400> SEQUENCE: 3
W--> 171 Xaa Xaa Xaa Glu Ile Gln Leu Xaa His Xaa Xaa Xaa
172 1 5 10
175 <210> SEQ ID NO: 4
176 <211> LENGTH: 11
177 <212> TYPE: PRT
178 <213> ORGANISM: Artificial sequence
180 <220> FEATURE:
181 <223> OTHER INFORMATION: PTH Peptide
184 <220> FEATURE:
185 <221> NAME/KEY: misc_feature
186 <222> LOCATION: (1)..(1)
187 <223> OTHER INFORMATION: X is an Alpha-Helix Stabilizing Residue
189 <220> FEATURE:
190 <221> NAME/KEY: misc_feature
191 <222> LOCATION: (2)..(2)
192 <223> OTHER INFORMATION: X is Trp, Bpa, Arg or Val
194 <220> FEATURE:
195 <221> NAME/KEY: misc_feature

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/564,744A

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Input Set : A:\Sequence Listing Ascii.txt
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196 <222> LOCATION: (3)..(3)
197 <223> OTHER INFORMATION: X is an Alpha-Helix Stabilizing Residue
199 <220> FEATURE:
200 <221> NAME/KEY: misc_feature
201 <222> LOCATION: (8)..(8)
202 <223> OTHER INFORMATION: X is Met or Nle
204 <220> FEATURE:
205 <221> NAME/KEY: misc_feature
206 <222> LOCATION: (10)..(10)
207 <223> OTHER INFORMATION: X is Gln, Deg or Asn
209 <220> FEATURE:
210 <221> NAME/KEY: misc_feature
211 <222> LOCATION: (11)..(11)
212 <223> OTHER INFORMATION: X is Har or Leu.
214 <400> SEQUENCE: 4
W--> 216 Xaa Xaa Xaa Glu Ile Gln Leu Xaa His Xaa Xaa
217 1 5 10
220 <210> SEQ ID NO: 5
221 <211> LENGTH: 10
222 <212> TYPE: PRT
223 <213> ORGANISM: Artificial sequence
225 <220> FEATURE:
226 <223> OTHER INFORMATION: PTH Peptide
229 <220> FEATURE:
230 <221> NAME/KEY: misc_feature
231 <222> LOCATION: (1)..(1)
232 <223> OTHER INFORMATION: X is an Alpha-Helix Stabilizing Residue
234 <220> FEATURE:
235 <221> NAME/KEY: misc_feature
236 <222> LOCATION: (2)..(2)
237 <223> OTHER INFORMATION: X is Trp, Bpa, Arg or Val
239 <220> FEATURE:
240 <221> NAME/KEY: misc_feature
241 <222> LOCATION: (3)..(3)
242 <223> OTHER INFORMATION: X is an Alpha-Helix Stabilizing Residue
244 <220> FEATURE:
245 <221> NAME/KEY: misc_feature
246 <222> LOCATION: (8)..(8)
247 <223> OTHER INFORMATION: X is Met or Nle
249 <220> FEATURE:
250 <221> NAME/KEY: misc_feature
251 <222> LOCATION: (10)..(10)
252 <223> OTHER INFORMATION: X is Gln, Deg or Asn
254 <400> SEQUENCE: 5
W--> 256 Xaa Xaa Xaa Glu Ile Gln Leu Xaa His Xaa
257 1 5 10
260 <210> SEQ ID NO: 6
261 <211> LENGTH: 21
262 <212> TYPE: PRT

RAW SEQUENCE LISTING DATE: 10/27/2006
 PATENT APPLICATION: US/10/564,744A TIME: 12:09:31

Input Set : A:\Sequence Listing Ascii.txt
 Output Set: N:\CRF4\10272006\J564744A.raw

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263 <213> ORGANISM: Artificial sequence
265 <220> FEATURE:
266 <223> OTHER INFORMATION: PTH Peptide
269 <220> FEATURE:
270 <221> NAME/KEY: misc_feature
271 <222> LOCATION: (1)..(1)
272 <223> OTHER INFORMATION: X is an Alpha-Helix Stabilizing Residue
274 <220> FEATURE:
275 <221> NAME/KEY: misc_feature
276 <222> LOCATION: (2)..(2)
277 <223> OTHER INFORMATION: X is Bpa
279 <220> FEATURE:
280 <221> NAME/KEY: misc_feature
281 <222> LOCATION: (3)..(3)
282 <223> OTHER INFORMATION: X is an Alpha-Helix Stabilizing Residue
284 <220> FEATURE:
285 <221> NAME/KEY: misc_feature
286 <222> LOCATION: (8)..(8)
287 <223> OTHER INFORMATION: X is Aib, Gln, Deg or Asn
289 <220> FEATURE:
290 <221> NAME/KEY: misc_feature
291 <222> LOCATION: (10)..(10)
292 <223> OTHER INFORMATION: X is Met or Nle
294 <220> FEATURE:
295 <221> NAME/KEY: misc_feature
296 <222> LOCATION: (11)..(11)
297 <223> OTHER INFORMATION: X is Har or Leu
299 <220> FEATURE:
300 <221> NAME/KEY: misc_feature
301 <222> LOCATION: (12)..(12)
302 <223> OTHER INFORMATION: X is an Alpha-Helix Stabilizing Residue, Ala or Gly
304 <220> FEATURE:
305 <221> NAME/KEY: misc_feature
306 <222> LOCATION: (14)..(14)
307 <223> OTHER INFORMATION: X is an Alpha-Helix Stabilizing Residue, Trp or His
309 <220> FEATURE:
310 <221> NAME/KEY: misc_feature
311 <222> LOCATION: (19)..(19)
312 <223> OTHER INFORMATION: X is an Alpha-Helix Stabilizing Residue, Lys, Arg or Glu
314 <220> FEATURE:
315 <221> NAME/KEY: misc_feature
316 <222> LOCATION: (21)..(21)
317 <223> OTHER INFORMATION: X is Tyr or Met
319 <400> SEQUENCE: 6
W--> 321 Xaa Xaa Xaa Glu Ile Gln Leu Xaa His Xaa Xaa Xaa Lys Xaa Leu Ala
322 1 5 10 15
W--> 325 Ser Val Xaa Arg Xaa
326 20
329 <210> SEQ ID NO: 7

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RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/10/564,744A

DATE: 10/27/2006
TIME: 12:09:32

Input Set : A:\Sequence Listing Ascii.txt
Output Set: N:\CRF4\10272006\J564744A.raw

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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; Xaa Pos. 1,2,3,8,10,11,12,14
Seq#:2; Xaa Pos. 1,2,3,8,10,11,12
Seq#:3; Xaa Pos. 1,2,3,8,10,11,12
Seq#:4; Xaa Pos. 1,2,3,8,10,11
Seq#:5; Xaa Pos. 1,2,3,8,10
Seq#:6; Xaa Pos. 1,2,3,8,10,11,12,14,19,21
Seq#:7; Xaa Pos. 1,2,3,8,10,11,12,14,19
Seq#:8; Xaa Pos. 1,2,3,8,10,11,12,14,19
Seq#:9; Xaa Pos. 1,2,3,8,10,11,12,14
Seq#:10; Xaa Pos. 1,2,3,8,10,11,12,14
Seq#:11; Xaa Pos. 1,2,3,8,10,11,12,14
Seq#:12; Xaa Pos. 1,2,3,8,10,11,12,14
Seq#:13; Xaa Pos. 1,2,3,11
Seq#:14; Xaa Pos. 1,3,11,15
Seq#:15; Xaa Pos. 1,2,4,12,16
Seq#:16; Xaa Pos. 1,2,4,12,16
Seq#:17; Xaa Pos. 1,3,11,15
Seq#:18; Xaa Pos. 1,2,3,11,15
Seq#:19; Xaa Pos. 1,3,11,15
Seq#:20; Xaa Pos. 1,3,11,15
Seq#:21; Xaa Pos. 1,3,11,15
Seq#:22; Xaa Pos. 1,2,3,11,15
Seq#:23; Xaa Pos. 1,3,8,11,15
Seq#:24; Xaa Pos. 1,2,3,8,11,15
Seq#:25; Xaa Pos. 1,2,3,8,11,22
Seq#:28; Xaa Pos. 1,6,9,20
Seq#:29; Xaa Pos. 33
Seq#:31; Xaa Pos. 33
Seq#:32; Xaa Pos. 1,3,8,11,16

VERIFICATION SUMMARY DATE: 10/27/2006
PATENT APPLICATION: US/10/564,744A TIME: 12:09:32

Input Set : A:\Sequence Listing Ascii.txt
Output Set: N:\CRF4\10272006\J564744A.raw

L:10 M:270 C: Current Application Number differs, Replaced Current Application Number
L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:71 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:0
L:121 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:0
L:171 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:0
L:216 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:0
L:256 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:0
L:321 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:0
L:325 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:16
L:385 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7 after pos.:0
L:389 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7 after pos.:16
L:449 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8 after pos.:0
L:453 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8 after pos.:16
L:508 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9 after pos.:0
L:567 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10 after pos.:0
L:626 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11 after pos.:0
L:681 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12 after pos.:0
L:716 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13 after pos.:0
L:751 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14 after pos.:0
L:791 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15 after pos.:0
L:831 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:0
L:866 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17 after pos.:0
L:906 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18 after pos.:0
L:941 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19 after pos.:0
L:976 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20 after pos.:0
L:1011 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21 after pos.:0
L:1051 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22 after pos.:0
L:1091 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23 after pos.:0
L:1136 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24 after pos.:0
L:1181 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:25 after pos.:0
L:1185 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:25 after pos.:16
L:1250 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:28 after pos.:0
L:1254 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:28 after pos.:16
L:1282 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:29 after pos.:32
L:1290 M:300 W: (50) Intentionally skipped Sequence, : Sequence Id (30) SEQUENCE:
L:1322 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:31 after pos.:32
L:1362 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:32 after pos.:0